

**TETRAFLUORO-(2,2)-PARACYCLOPHANE AND ITS PRODUCTION****Publication number:** JP9025252**Publication date:** 1997-01-28**Inventor:** MARUYAMA HIROSHI**Applicant:** DAISAN KASEI KK**Classification:****- international:** **C07C17/18; C07C23/18; C07C17/00; C07C23/00;**  
(IPC1-7): C07C23/18; C07C17/18**- european:****Application number:** JP19950208962 19950714**Priority number(s):** JP19950208962 19950714**Report a data error here****Abstract of JP9025252**

**PROBLEM TO BE SOLVED:** To obtain tetrafluoro-[2,2]-paracyclophane high in heat resistance in the presence of oxygen, and useful for a raw material for forming a coating membrane expected to have a good balance in all physical properties by a chemical vapor depositing method. **SOLUTION:** This compound, tetrafluoro-[2,2]-paracyclophane expressed by formula I is obtained by reacting [2,2]-paracyclophane in an inert solvent in the presence of a peroxide catalyst, in an ultraviolet irradiation or in both, with a brominating agent such as N-bromosuccinimide to obtain tetrabromo-[2,2]-paracyclophane, then treating it with sodium acetate, silver acetate, etc., in an acetic acid solution to obtain diketone-[2,2]-paracyclophane expressed by formula II, and further treating the compound of the formula II with a fluorinating agent such as tetrafluorosulfur or diethylaminosulfurtrifluoride.

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